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(54) **PEGBOARD BRACKET**

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F16B 5/00 (2006.01)
F16M 13/02 (2006.01)
B25H 1/02 (2006.01)
F16B 5/06 (2006.01)

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CPC **B25H 3/04** (2013.01); **B25H 1/02** (2013.01); **F16B 5/0084** (2013.01); **F16M 13/02** (2013.01); **F16B 5/0614** (2013.01); **F16B 5/0635** (2013.01)

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See application file for complete search history.

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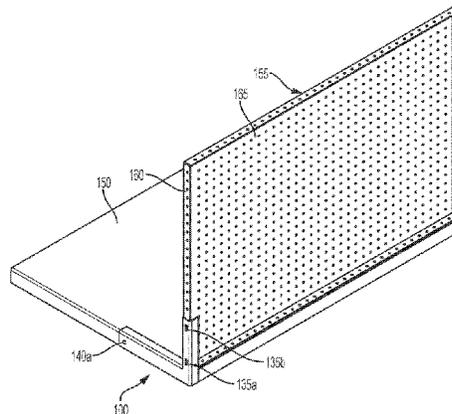
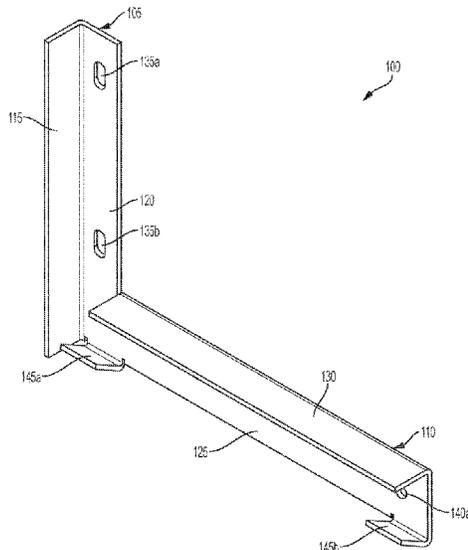
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(57) **ABSTRACT**

Disclosed is a bracket that couples a pegboard to a table without requiring a separate table for a stand-alone table and a pegboard-coupled table. The bracket can include vertical and horizontal portions that couple to a pegboard and table, respectively. The bracket can further include tabs that grip the table or pegboard for additional support. The bracket therefore allows for a pegboard to be attached to a table, or for the table to be sold without the pegboard, therefore freeing substantial inventory for the seller of the table and pegboard combination.

3 Claims, 4 Drawing Sheets



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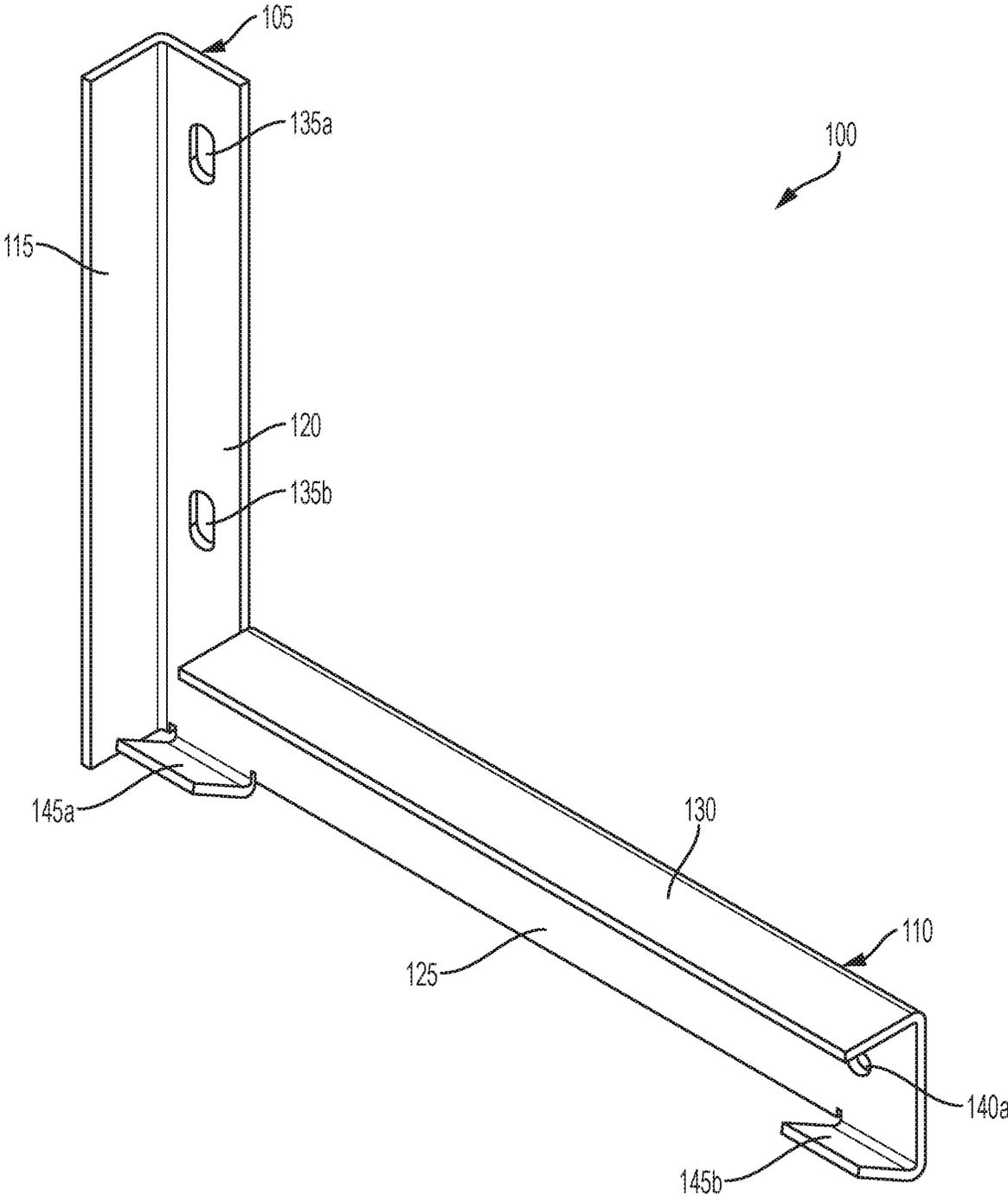


FIG. 1

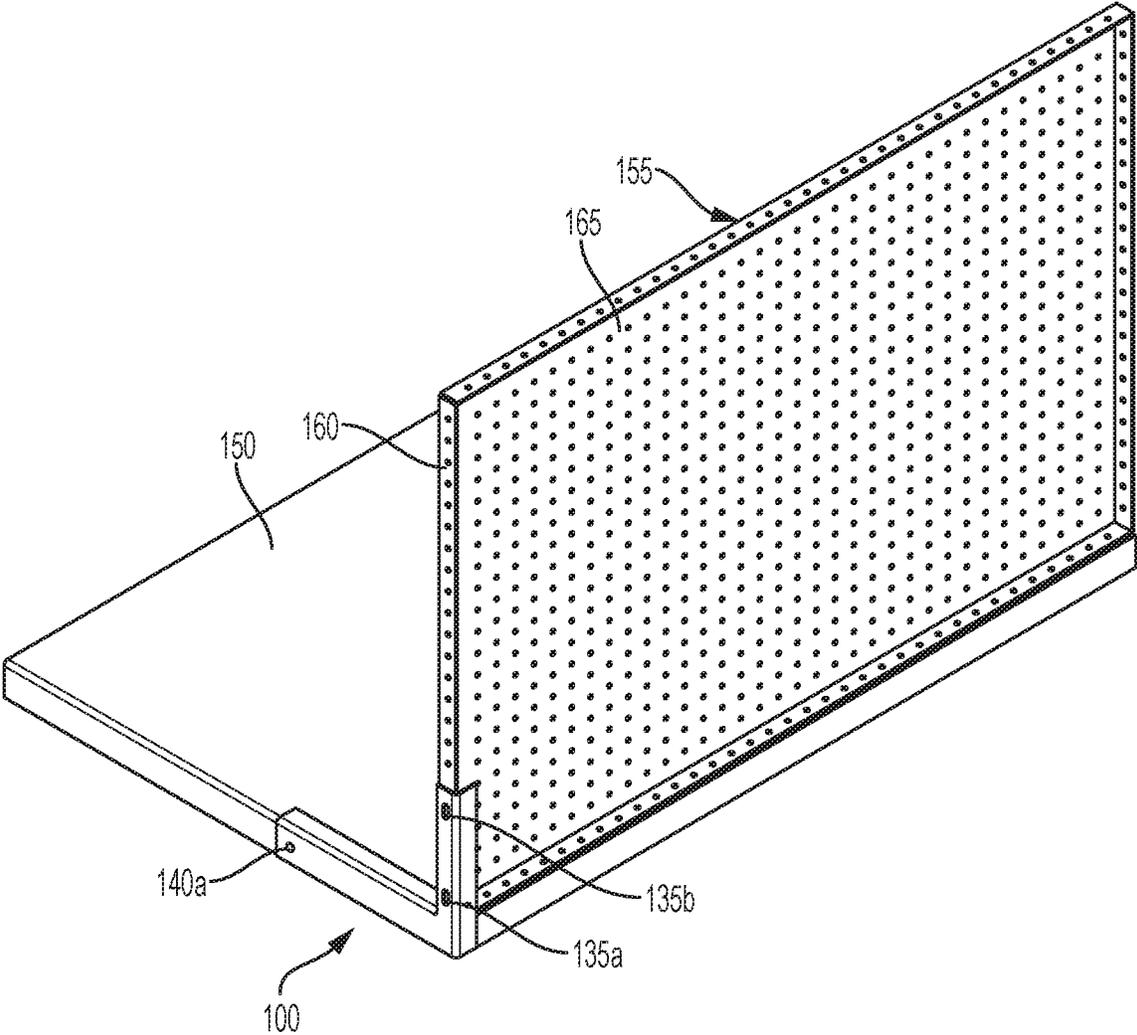


FIG. 2

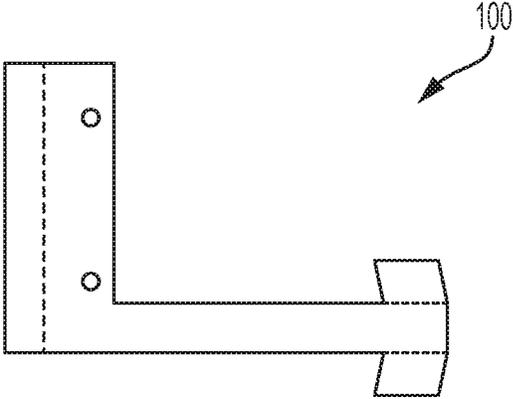


FIG. 3A

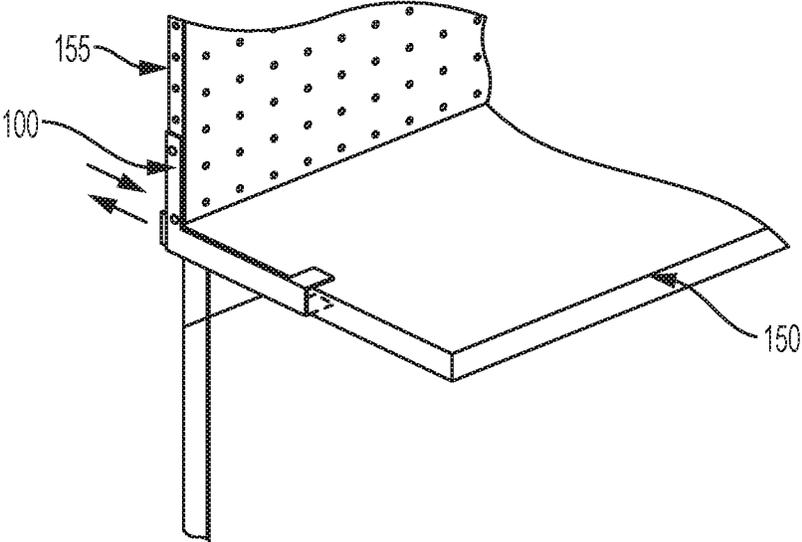


FIG. 3B

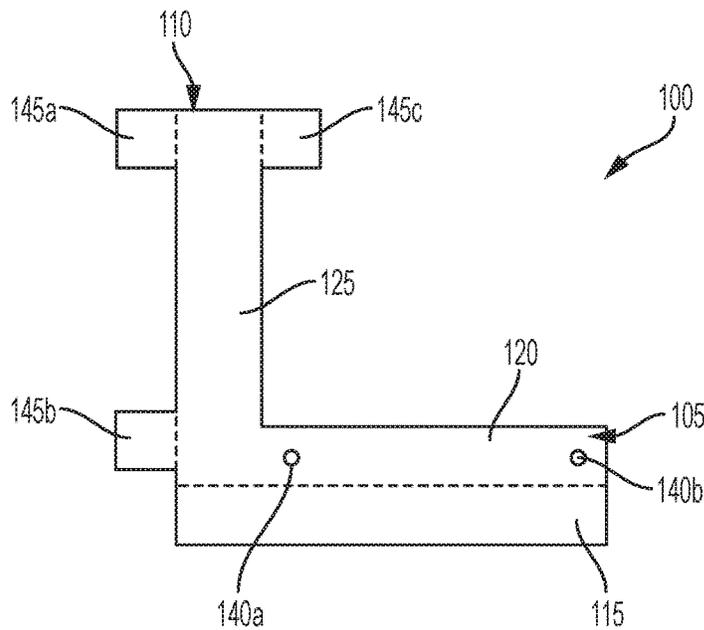


FIG. 4

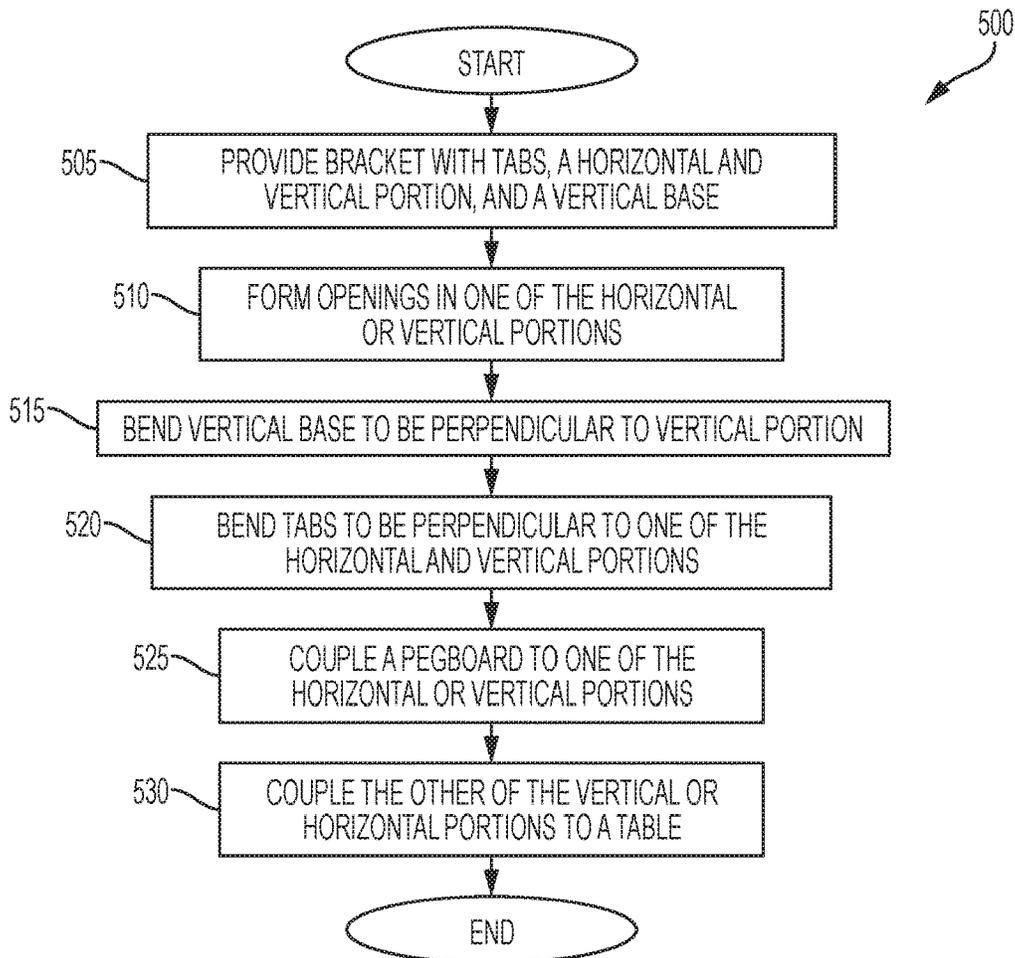


FIG. 5

PEGBOARD BRACKET

TECHNICAL FIELD OF THE INVENTION

The present application relates generally to brackets. More particularly, the present application relates to a pegboard bracket that couples a pegboard to a table top.

BACKGROUND OF THE INVENTION

Work tables are a common and convenient element of a workshop, whether for a professional or do-it-yourself (“DIY”) handyman. Work tables help organize tools and provide a durable surface to assemble objects and fasteners, cut material, operate on objects with tools, and other activities.

Many work tables include pegboards at the rear of the table. For example, a pegboard can include holes that receive organizational attachments such as hooks or other holders of tools. The pegboard provides a durable and easily customized arrangement so the user can arrange his or her tools and other components in a specific configuration.

Current pegboard work tables include a pegboard permanently attached to the table by a weld or other permanent connection structure, such that a separate table must be made for the pegboard and non-pegboard options. A company offering tables with and without a pegboard must therefore maintain two separate tables in inventory rather than allowing one table to either be fit with a pegboard or sold without a pegboard, depending on the customer’s preference.

SUMMARY OF THE INVENTION

The presently disclosed embodiments include a bracket that allows a pegboard to be attached to a table without requiring a separate product for a stand-alone table option versus a pegboard table option. The bracket can include vertical and horizontal portions that couple to a pegboard and table, respectively. The bracket can also include tabs that grip the table or pegboard to more generally couple these elements together without requiring a specific structure in the table other than a size that would fit the spacing of the bracket. The bracket therefore allows for a pegboard to be coupled to a table, or for the table to be sold without the pegboard, therefore freeing substantial inventory by allowing a single table for both the pegboard and non-pegboard option.

For example, the presently disclosed embodiments broadly include a bracket including a vertical portion having a vertical base and a vertical attachment portion extending perpendicular to the vertical base. The vertical attachment portion is coupled to a pegboard and at least partially surrounds the pegboard on two sides with the vertical base. The bracket can further include a horizontal portion extending perpendicular to the vertical portion and having a horizontal attachment portion and at least one tab extending from the horizontal attachment portion and bending to grip a table.

The presently disclosed embodiments further include a combination including a bracket having a vertical portion with a vertical base and a vertical attachment portion extending perpendicular to the vertical base, and a horizontal portion extending perpendicular to the vertical portion and having a horizontal attachment portion and at least one tab extending from the horizontal attachment portion. Further included are a pegboard coupled to the vertical portion. The vertical attachment portion and vertical base at least partially

surround the pegboard on two sides. Also included is a tabletop, where the tabs are deformed to grip the tabletop.

Further, the presently disclosed embodiments include a method of assembling a bracket to a pegboard and tabletop including providing bracket having a vertical portion, a horizontal portion, a vertical base, and tabs, forming openings in one of the horizontal and vertical portions, coupling the pegboard to one of the vertical or horizontal portions by inserting the pegboard against the vertical base or the tabs, coupling the tabletop to the other of the vertical or horizontal portions by inserting the tabletop against the other of the vertical base or the tabs, deforming the vertical base to be perpendicular to vertical portion, deforming the tabs to be perpendicular to the one of the horizontal and vertical portions that the tabs are coupled to, and inserting fasteners through the openings to couple at least one of the one of the horizontal or vertical portions to at least one of the pegboard or tabletop.

BRIEF DESCRIPTION OF THE DRAWINGS

For the purpose of facilitating an understanding of the subject matter sought to be protected, there are illustrated in the accompanying drawings embodiments thereof, from an inspection of which, when considered in connection with the following description, the subject matter sought to be protected, its construction and operation, and many of its advantages should be readily understood and appreciated.

FIG. 1 is a front perspective view of a bracket according to at least some of the presently disclosed embodiments.

FIG. 2 is a rear perspective view of a bracket, table, and pegboard combination according to at least some of the presently disclosed embodiments.

FIG. 3A is a side view of a bracket according to at least some of the presently disclosed embodiments.

FIG. 3B is a front perspective view of a bracket, table, and pegboard combination according to at least some of the presently disclosed embodiments.

FIG. 4 is a front view of a bracket according to at least some of the presently disclosed embodiments.

FIG. 5 is a flowchart illustrating a method of assembling a pegboard bracket to a pegboard and table according to at least some of the presently disclosed embodiments.

DETAILED DESCRIPTION OF THE EMBODIMENTS

While this invention is susceptible of embodiments in many different forms, there is shown in the drawings, and will herein be described in detail, a preferred embodiment of the invention with the understanding that the present disclosure is to be considered as an exemplification of the principles of the invention and is not intended to limit the broad aspect of the invention to embodiments illustrated. As used herein, the terms “present invention” and “presently disclosed embodiments” are not intended to limit the scope of the claimed invention and is instead a term used to discuss exemplary embodiments of the invention for explanatory purposes only.

The presently disclosed embodiments include a bracket that couples a pegboard to a table. The bracket allows the pegboard to be attached to the table without requiring a different table for a pegboard table as compared to a non-pegboard table. The bracket can include horizontal and vertical portions that couple to the table and pegboard, respectively, and can also include tabs that grip the table or pegboard for additional structural support. The bracket

therefore allows for a table to be sold with a pegboard, or for the same table to be sold without the pegboard, therefore freeing substantial inventory by allowing a single table for both the pegboard and non-pegboard options.

As shown, FIGS. 1-4 illustrate a bracket **100** with a vertical portion **105** and a horizontal portion **110**. The vertical portion **105** can include a vertical base **115** and a vertical attachment portion **120** that couples to a pegboard, while the horizontal portion **110** can include a horizontal attachment portion **125** and a horizontal base **130** that couple to a work table. The vertical portion **105** can further include vertical openings **135a, b** that allow fasteners to be inserted therethrough to couple the vertical portion **105** to a pegboard or other structure. Similarly, the horizontal portion **110** can include one or more horizontal openings **140a, 140b** that allows a fastener to couple the bracket **100** to a work table or other structure. The vertical **105** or horizontal **110** portions can also include tabs **145a, b, c** that can be bent to grip the pegboard or table and provide additional structural stability.

As shown in FIGS. 2, 3A, and 3B, the bracket **100** can couple to a tabletop **150** and further to a pegboard **155** or other structure. For example, the bracket **100** can couple to the pegboard **155** by having fasteners inserted through the vertical openings **135a, b** and further inserted into side holes **160** of the pegboard **155**. The pegboard can further include front holes **165** where a user can insert organization accessories, such as a hook, to manage and organize tools, fasteners, or other elements. As shown in, for example, FIGS. 3A and 4, the bracket **100** can be a single piece of bendable sheet metal that is bent to its intended three-dimensional configuration for coupling purposes.

The vertical portion **105** can be sized and shaped to couple to the pegboard **155**. For example, the vertical base **115** can provide a structural backing for the rear of the pegboard **155**, and the vertical attachment section **120** can couple to the pegboard **155** via the vertical openings **135a, b**. Similarly, the horizontal portion **110** can be sized and shaped to couple to the table **150**. For example, the horizontal base **130** can rest against and be parallel to the top surface of the table **150** to provide structural rigidity to the coupling of the table **150** and bracket **100**. The tabs **145a, b** can grip the underside of the table **150** for additional support. As shown, the horizontal portion **110** includes the tabs **145a, b**. However, the vertical portion **105** can also include tabs **145a, b**, or neither portion **105, 110** can include tabs, within the spirit and scope of the presently disclosed embodiments. Further, the number of tabs need not be two, or three, as shown, and can be any number.

A method **500** of manufacturing the bracket **100** will now be described with reference to FIGS. 4 and 5. As shown, the method **500** begins and proceeds to step **505**, where a bracket is provided with tabs **145 a, b, c**, a vertical **105** and horizontal **110** portion, and a vertical base **115** coupled to the vertical portion **105**. For example, the bracket **100** can be provided in a planar, sheet metal arrangement such as the raw bracket **100** shown in FIG. 4. In this manner, the bracket **100** can be bent or otherwise deformed to form a bracket shape and provide the advantages described above.

The method **500** then proceeds to step **510**, where openings **140a, b** are formed in one of the vertical **105** or horizontal **110** portions. These openings **140a, b** can be for receiving fasteners to couple the bracket **100** to at least one of a pegboard **155** or a tabletop **150**.

In step **515**, the method **500** can then include bending or otherwise adjusting (collectively “deforming”) the vertical base **115** so that the vertical base **115** is perpendicular to the

vertical portion **105** and so that the vertical base **115** and vertical attachment portion **120** at least partially surround the pegboard **155** or tabletop **150** on at least two sides. In so doing, the vertical base **115** can provide a surface on which either the tabletop **150** or the pegboard **155** can be received within for additional structural stability. In step **520**, the tabs **145 a, b, c** can be deformed, similar to the vertical base **115**, to provide additional structural stability to the tabletop **150** or pegboard **155** (whichever will not be coupled to the vertical base **115**). As used herein, the term “perpendicular” is not necessarily intended to mean exactly perpendicular, but rather what one of ordinary skill would consider “perpendicular” within acceptable tolerances in the industry.

The pegboard **155** can then be coupled to either the vertical **105** or horizontal **110** portion in step **525**. For example, the pegboard **155** can rest against the vertical base **115** and receive the fasteners that insert through the openings **140 a, b** if the pegboard **155** is to be coupled to the vertical portion **105**, or the pegboard **155** can rest against the tabs **145a, b, c** and be held therein by a tensile force, and/or by other fasteners, if the pegboard **155** is to be coupled to the horizontal portion **110**. In step **530**, the tabletop **150** can implement the same process with the vertical **105** or horizontal portion **110** that the pegboard **155** did not couple to. After step **530**, the method **500** ends.

The method **500** discussed above is not limited in its order of processes and can be implemented in any logical order. For example, the tabs **140a, b, c** can be deformed last to provide a better force against the vertical **105** or horizontal **110** portion, or can be deformed so as to provide a barrier for the tabletop **150** or pegboard **155** from moving without providing a tensile force on the tabletop **150** or pegboard **155**. The vertical base **115** can likewise be deformed at any time, or the openings **140a, b** be formed at any time prior to fasteners being inserted therethrough.

As discussed herein, the bracket **100** includes a vertical portion **105** and a horizontal portion **110**. However, the terms “vertical” and “horizontal” are exemplary only and, in certain embodiments, are not intended to limit the bracket **100** to any geographic orientation, other than to describe the vertical direction as being perpendicular to the horizontal direction.

The presently disclosed embodiments provide for a bracket that couples a table to a pegboard or other structure. The bracket does so without requiring a different table for a stand-alone table as compared to a table having a pegboard. The bracket therefore reduces inventory and lowers cost for companies selling tables with and without pegboards.

As discussed herein, the invention can be implemented as a bracket that couples a table and pegboard together. However, the bracket can be implemented in any form, and unless otherwise claimed below, should be understood to apply to coupling two or more of any object together, not necessarily a pegboard and table.

The term “fastener,” as used herein, can apply to any known fastener, such as a screw, nail, bolt, adhesive, tape, clamp, or any other object capable of coupling two objects together.

As used herein, the term “coupled” and its functional equivalents are not intended to necessarily be limited to direct, mechanical coupling of two or more components. Instead, the term “coupled” and its functional equivalents are intended to mean any direct or indirect mechanical, electrical, or chemical connection between two or more objects, features, work pieces, and/or environmental matter. “Coupled” is also intended to mean, in some examples, one object being integral with another object.

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The matter set forth in the foregoing description and accompanying drawings is offered by way of illustration only and not as a limitation. While particular embodiments have been shown and described, it will be apparent to those skilled in the art that changes and modifications may be made without departing from the broader aspects of the inventors' contribution. The actual scope of the protection sought is intended to be defined in the following claims and when viewed in their proper perspective based on the prior art.

What is claimed is:

1. A combination comprising:

a table;

a pegboard;

a bracket coupling the table to the pegboard and comprising:

a vertical portion including:

a vertical base having a minor side and a major side longer than the minor side, the major side of the vertical base extending in a first direction and the minor side of the vertical base extending in a second direction perpendicular to the first direction;

a vertical attachment portion having a minor side and a major side longer than the minor side, the major side of the vertical attachment portion extending in the first direction parallel to the major side of the vertical base, and the minor side of the vertical attachment portion extending in a third direction perpendicular to both the first and second direction, the vertical attachment portion coupling to the pegboard; and

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a horizontal portion extending from the vertical portion and including:

a horizontal attachment portion having a minor side and a major side longer than the minor side, the major side of the horizontal attachment portion extending in the third direction and the minor side of the horizontal attachment portion extending in the first direction;

a horizontal base extending from the horizontal attachment portion and having a minor side and a major side longer than the minor side, the major side of the horizontal base extending in the third direction and the minor side of the horizontal base extending in the second direction; and

tab extending from the horizontal attachment portion in the second direction and configured to bend upward to grip the table, the tab extending a distance shorter than the major side of the horizontal base and horizontal attachment portion, wherein the tab is located below the horizontal base on an opposite side of the horizontal attachment portion, the vertical base and vertical portion each extend upward away from the tab, and wherein the tab has a tab area facing the table and the horizontal base has a horizontal base area facing the table, and wherein the horizontal base area is larger than the tab area.

2. The combination of claim 1, wherein the bracket further comprises openings formed in at least one of the vertical portion and the horizontal portion and allowing a fastener to couple the horizontal portion to the table or the vertical portion to the pegboard.

3. The combination of claim 1, wherein the tab includes first and second tabs on opposite ends of the horizontal attachment portion.

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